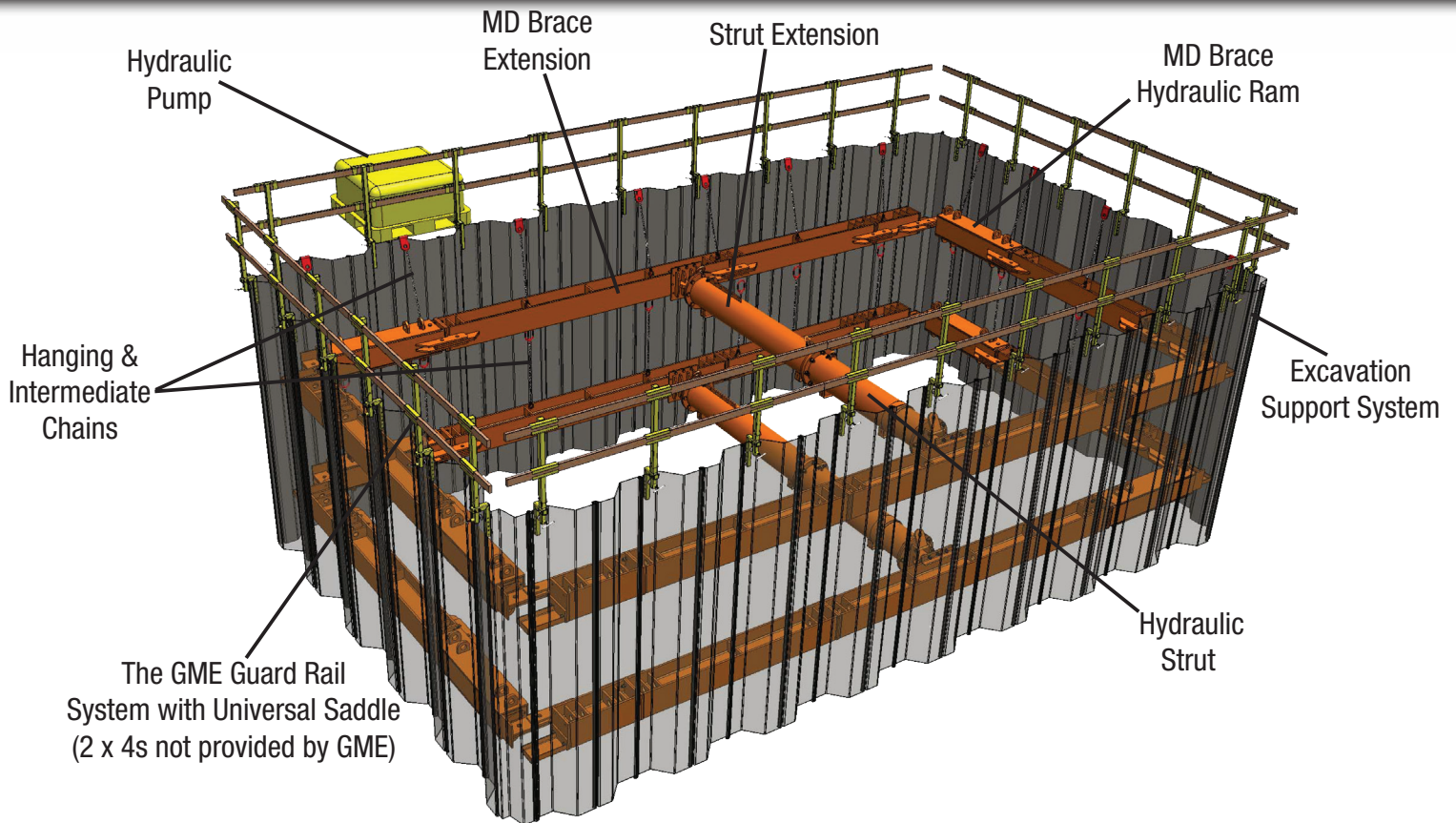




THE MD BRACE SYSTEM



The MD Brace



THE MD BRACE HYDRAULIC RAM

A 6" aluminum dual-acting cylinder encased in steel box tubing, the ram provides an operating range of 9'8" (2.9m) to 13' (3.9m). The adjustability of the MD Brace enables a variety of excavation shapes to be safely shored.

THE HYDRAULIC STRUT

The Hydraulic Strut (available in multiple capacities), allows the complete system to achieve larger standard and custom sized projects.

HANGING & INTERMEDIATE CHAINS

The Hanging Chains act as a fail-safe if the system were to lose pressure and the Intermediate Chain are used for projects requiring multiple levels of rams.*

THE GME GUARD RAIL SYSTEM

Serving as an extra precautionary measure, providing temporary railing around excavations and trenches.

THE MD BRACE EXTENSION

Paired with the MD Brace Hydraulic Ram, the extension is a static component that allows for an array of lengths. Available lengths include:

- 3'3" (1m)
- 4'11" (1.5m)
- 9'10" (3m)
- 16'4" (5m)
- 22'11" (7m)
- 32'9" (10m)

THE STRUT EXTENSION

Designed to be used in conjunction with the Hydraulic Strut, the Strut Extension provides extra length, when needed.

HYDRAULIC PUMP

A gas powered, double-acting pump capable of producing 2,500 psi in both directions. The Hydraulic Pump includes 30' long hoses with quick disconnect sockets.

EXCAVATION SUPPORT SYSTEM

The MD Brace is designed to use variety of approved shoring components (sheet pile, beam and plate), increasing the overall usability.

The MD Brace

The MD Brace system is engineered to be used with a variety of excavation support systems (sheet pile, beam and plate) on a wide range of projects including: linear applications, bridge footings, soil remediations, tank installations and a myriad of other large projects.

Using just the system's hydraulic rams and extensions, excavations are able to range from 9'9" (2.9m) to 75'5" (23m) in length and width.* In many cases, due to jobsite conditions, the clearspan capabilities of the system are limited and require a center or corner strut. With the inclusion of our hydraulic struts (available in multiple capacities), the maximum width of the excavation will be determined by an engineer while the length of the excavation is limitless.

The optimal working depth of the MD Brace system is 12' (3.6m) to 30' (9.1m). The overall capacity of the system can achieve depths greater than 30' (9.1m)!*

For further information and details, please contact GME at 800-248-2054.

General Installation Steps

These steps are a guideline. Every project is going to differ from the last and may require a different way to install.



Dig initial pilot cut (2-3') and stage one leg of the MD Brace Hydraulic Rams. If using multiple levels of rams, they may be stacked upon each other to speed up installation time.*



Assemble initial ram and extensions. If using multiple levels of rams, assemble the rams and extensions and stack on top.*



With top level assembled, begin placement of excavation support systems.



With all supports installed, connect the top level of the MD Brace to the bracing supports with Hanging Chains and pressurize system.



If using multiple levels, excavate to next ram spacing and pressurize system.* Repeat until all rings are installed and pressurized.



With all rams in place, excavate down to project depth.*

**Site-specific engineering is required on all MD Brace projects. A Registered Professional Engineer will determine the number of braces, spacing and allowable system depth, based upon soil and jobsite conditions.*

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